

S/N 09/620,373

#4  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael R. Arneson et al.

Examiner: Unknown

Serial No.: 09/620,373

Group Art Unit: Unknown

Filed: July 20, 2000

Docket: 499.088US1

Title: METHOD AND APPARATUS FOR COMMUNICATING COMPUTER DATA FROM ONE POINT TO ANOTHER OVER A COMMUNICATIONS MEDIUM

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants further request that a copy of the 1449 form, initialled by the Examiner to indicate that all listed citations have been considered, be returned with the next official communication.

Under 37 C.F.R. §1.97(b)(3), it is believed that no fee or certificate is required with this Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Account No. 19-0743.

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

MICHAEL R. ARNESON ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6909

Date

November 5, 2000

By

Thomas F. Brennan

Thomas F. Brennan  
Reg. No. 35,075

**CERTIFICATE UNDER 37 CFR 1.8:** The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on this 7 day of November, 2000.

**Gina M. Uphus**

Name

Signature

Gina M. Uphus



Form 1449*	Atty. Docket No.: 499.088US1	Serial No. 09/620,373
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Applicant: Michael R. Arneson et al.	
	Filing Date: July 20, 2000	Group: Unknown

## U.S. PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
						If Appropriate
	4,477,713	10/16/1984	Cook, G.E., et al.	219	124.34	07/09/82
	4,514,749	04/30/1985	Shoji, M.	357	68	01/18/83
	4,587,445	05/06/1986	Kanuma, A.	307	443	05/16/84
	4,823,184	04/18/1989	Belmares-Sarabia, et al.	358	27	09/08/87
	4,926,066	05/15/1990	Maini, R., et al.	307	303	09/12/88
	5,295,132	03/15/1994	Hashimoto, K., et al.	370	13	08/25/92
	5,315,175	05/24/1994	Langner, P.A.	307	443	03/18/93
	5,416,606	05/16/1995	Katayama, A., et al.	358	467	09/23/94
	5,481,567	01/02/1996	Betts, W.L., et al.	375	261	09/12/94
	5,544,203	08/06/1996	Casasanta, J.A., et al.	375	376	10/18/94
	5,604,450	02/18/1997	Borkar, S., et al.	326	82	07/27/95
	5,657,346	08/12/1997	Lordi, A.L., et al.	375	224	10/13/95
	5,793,259	08/11/1998	Chengson, D.	331	78	06/20/97
	5,811,997	09/22/1998	Chengson, D.P., et al.	327	112	04/26/96
	5,844,954	12/01/1998	Casasanta, J.A., et al.	375	373	02/20/97
	5,847,592	12/08/1998	Gleim, G., et al.	327	403	09/13/94
	5,898,729	04/27/1999	Boezen, H., et al.	375	259	10/10/95
	6,005,895	12/21/1999	Perino, D.V., et al.	375	288	12/20/96

## FOREIGN PATENT DOCUMENTS

**Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

## OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

**Examiner Initial	"Low Power Quad Differential Line Driver with Cut-Off", <u>National Semiconductor, F100K ECL 300 Series Databook and Design Guide, pp. 2-54 - 2-60, (1992)</u>
	"The SA27 library includes programmable delay elements DELAYMUXO and DELAYMUXN. How are these cells used?", <u>IBM Delaymuxn Book, pp. 1-6, (February 1999)</u>
	Djordjevic, A.R., et al., "Time Domain Response of Multiconductor Transmission Lines", <u>Proceedings of the IEEE, 75(6), 743-64, (June 1987)</u>
	Im, G., et al., "Bandwidth-Efficient Digital Transmission over Unshielded Twisted-Pair Wiring", <u>IEEE Journal on Selected Areas in Communications, 13(9), 1643-1655, (December 1995)</u>

Examiner

Date Considered

\*Substitute Disclosure Statement Form (PTO-1449)

\*\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 2

Form 1449\*

Atty. Docket No.: 499.088US1

Serial No. 09/620,373

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Applicant: Michael R. Arneson et al.

(Use several sheets if necessary)

Filing Date: July 20, 2000

Group: Unknown

## OTHER DOCUMENTS

\*\*Examiner  
Initial

(Including Author, Title, Date, Pertinent Pages, Etc.)

Mooney, R., et al., "A 900 Mb/s Bidirectional Signaling Scheme", IEEE Journal of Solid-State Circuits, 30(12), 1538-1543, (Dec. 1995)Takahashi, T., et al., "110GB/s Simultaneous Bi-Directional Transceiver Logic Synchronized with a System Clock", IEEE International Solid-State Circuits Conference, 176-177, (1999)

Examiner

Date Considered

\*Substitute Disclosure Statement Form (PTO-1449)

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**S/N 09/620,373**

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Michael R. Arneson et al. Examiner: Unknown  
Serial No.: 09/620,373 Group Art Unit: Unknown  
Filed: July 20, 2000 Docket: 499.088US1  
Title: METHOD AND APPARATUS FOR COMMUNICATING COMPUTER DATA  
FROM ONE POINT TO ANOTHER OVER A COMMUNICATIONS MEDIUM

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**COMMUNICATION CONCERNING CO-PENDING APPLICATION(S)**

Commissioner for Patents  
Washington, D.C. 20231

Applicant would like to bring to the Examiner's attention the following related co-pending application(s) in the above-identified patent application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Attorney Docket</u>	<u>Title</u>
09/619,724	07/20/2000	00499.073US1	I/O IMPEDANCE CONTROLLER
09/384,906	08/27/1999	00499.021US1	A CIRCUIT DESIGN FOR HIGH-SPEED DIGITAL COMMUNICATION
09/441,774	11/17/1999	00499.023US1	COMPENSATED CANCELLER AND EQUALIZER FOR SIMULTANEOUS BI-DIRECTIONAL COMMUNICATIONS IN A COMPUTING SYSTEM
09/475,466	12/30/1999	00499.022US1	A PROGRAMMABLE DIFFERENTIAL DELAY CIRCUIT WITH FINE DELAY ADJUSTMENT
09/620,333	07/20/2000	00499.084US1	VARIABLE MODE BI-DIRECTIONAL AND UNI-DIRECTIONAL COMPUTER COMMUNICATION SYSTEM
09/476,678	12/30/1999	00499.028US1	SYSTEM AND METHOD FOR ADAPTIVELY DESKEWING PARALLEL DATA SIGNALS RELATIVE TO A CLOCK

COMMUNICATION CONCERNING CO-PENDING APPLICATIONS

Serial Number: 09/620,373

Filing Date: July 20, 2000

Title: METHOD AND APPARATUS FOR COMMUNICATING COMPUTER DATA FROM ONE POINT TO ANOTHER OVER A COMMUNICATIONS MEDIUM

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09/621,315 07/20/2000 00499.081US1

AN INTERFACE FOR SYNCHRONOUS  
DATA TRANSFER BETWEEN  
DOMAINS LOCKED AT DIFFERENT  
FREQUENCIES

Respectfully submitted,

MICHAEL R. ARNESON ET AL.

By Applicant's Representatives,

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P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6909

Date November 5, 2000 By Thomas F. Brennan

Thomas F. Brennan  
Reg. No. 35,075

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231, on this 7 day of November, 2000.

**Gina M. Uphus**

Name

Gina Uphus  
Signature

A circular black ink stamp from the Office of Intellectual Property (OIP). The text "OIP" is at the top, "NOV 09 2000" is in the center, and "PATENT &amp; TRADEMARK OFFICE" is at the bottom. The number "8638" is written vertically on the right side of the stamp.

Applicant: Michael R. Arneson et al.

Docket No.: 499.088US1

Serial No.: 09/620,373

Filed: July 20, 2000

**Due Date: November 20, 2000**

Examiner: Unknown

Group Art Unit: Unknown

Commissioner for Patents

Washington, D.C. 20231

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ An Information Disclosure Statement (1 pgs.), Form 1449 (2 pgs.), and copies of 24 cited references.
- ☒ A Communication Concerning Co-Pending Applications (2 pgs.).

**Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.**

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By:

Thomas F. Brennan

Atty: Thomas F. Brennan

Reg. No. 35,075

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**Gina M. Uphus**

Name \_\_\_\_\_

Hena Uphus

Signature

**Customer Number 21186**

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(GENERAL)